



Cat. No. 14-507A  
**OWNER'S MANUAL**

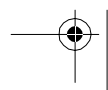
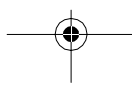
Please read before using this equipment.

**CD-3329**

**Portable Triple-Play  
Compact Disc Player  
with AM/FM Stereo  
Dual-Cassette Recorder**



**OPTIMUS®**



## FEATURES

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Your Optimus CD-3329 combines a remote-controlled CD player with two trays, an AM/FM radio, and a double cassette recorder with detachable speakers — all in one convenient, portable package.

### CD Player

**Continuous Play** — lets you play from one CD to the next without stopping.

**Programmable Play** — lets you program up to 20 tracks to play in any sequence.

**Audible Search** — helps you locate a particular section of a track by playing the CD rapidly in either direction.

**Automatic Search Music System (ASMS)** — quickly locates and plays any track on a CD.

**Repeat Play** — lets you automatically repeat a single track, an entire CD, or a series of programmed tracks.

**3- or 5-inch CD Compatible** — lets you play either 3- or 5-inch CDs on the system.

**Remote Control** — lets you control most CD functions from up to 20 feet away.

### Cassette Deck

**Multiple Source Recording** — lets you record from the CD player, radio, or another cassette tape.

**Automatic Level Control (ALC)** — automatically adjusts the recording level.

**Auto-Stop** — protects the tape and tape-handling parts by automatically stopping the cassette tape when it reaches the end.

**DUB. NORMAL/HIGH Switch** — lets you dub the tape at normal or twice the normal speed.

### Other Special Features

**Two Power Options** — let you power the CD-3329 from standard AC power with the supplied power cord or internal batteries (not supplied).

**E-Bass Control** — boosts low tones to emphasize the bass sound.

**Stereo Wide Control** — lets you enhance stereo effects.



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**Notes:**

- The remote control requires two AAA batteries to operate. If you want to power the CD-3329 from batteries, you need eight D batteries for it.
- The cassette compartment doors are taped shut to protect them during shipment. Peel off the tape before using the cassette player.

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

|  |   |   |
|--|---|---|
|   | <b>CAUTION</b><br>RISK OF ELECTRIC SHOCK.<br>DO NOT OPEN. |  |
| <b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL. |   |   |



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

We recommend you record the CD-3329's serial number here. The number is on the back of the CD-3329.

**Serial Number:** \_\_\_\_\_

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## PREPARATION

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### CONNECTING THE SPEAKERS

**Caution:** Do not plug in the power cord until you connect the speakers. Operating the CD-3329 without connected speakers could damage it.

The wires for the CD-3329's detachable speakers are rolled up in the recessed area at the back of each speaker.

Unwind the wire from each speaker, then follow these steps to connect the speakers to the system.

1. If you want to attach the speakers, align the dovetails on the side of the right speaker with the tracks on the right end of the main system and slide the speaker down until it clicks into place.

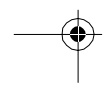
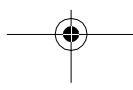
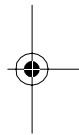
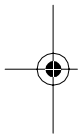
Align the dovetails on the side of the left speaker with the tracks on the left end of the main system and slide the speaker down until it clicks into place.

2. Press the red speaker terminal tab labeled **R +** on the back of the system, insert the stripped end of the right speaker's stripped wire into the terminal, then release the tab.

3. Press the black speaker terminal tab labeled **R -** on the back of the system, insert the stripped end of the right speaker's other wire into the terminal, then release the tab.

4. Repeat Steps 3 and 4 to connect the left speaker to the **L +** and **L -** terminals.

To disconnect the speakers from the system, disconnect the speaker wires from the CD-3329. Then (if speakers are attached) hold down the main system while you slide the speakers upward along the tracks.





## INSTALLING THE REMOTE CONTROL'S BATTERIES

The remote control requires two AAA batteries (not supplied) for power. We recommend alkaline batteries, such as RadioShack Cat. No. 23-555.

### Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Follow these steps to install batteries.

1. Press the tab on the battery compartment cover and lift the cover to open it.

2. Install the batteries as indicated by the polarity symbols (+) and (-) marked inside the compartment.

3. Replace the cover.

## CONNECTING POWER

You can power your CD-3329 from either:

- Standard AC power (with the supplied power cord)
- Eight D batteries (not supplied)

**Note:** Connecting the power cord disconnects internal batteries.

### Using AC Power

To use AC power, plug the supplied power cord into the **AC ~ 120V** jack on the back of the CD-3329. Then plug the other end into a standard AC outlet.



### Cautions:

- The plug's blades are polarized (one blade is wider than the other) and fit only one way. If the plug will not fit easily, turn it over and try again. Do not force it.
- Be sure the plug's blades are fully inserted to prevent blade exposure.
- Always unplug the power cord from the AC outlet before you unplug it from the CD-3329.

After you connect the power cord to the AC outlet, the POWER indicator lights if the switch is set to **CD** or **RADIO**. But if it is set to **TAPE**, the indicator does not light until you play or record a tape.

### Using Batteries

The CD-3329 can use eight D batteries (not supplied) for power. We recommend alkaline batteries, such as Cat. No. 23-550.

### Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Follow these steps to install batteries.

1. Remove the battery compartment cover by pushing the cover's two tabs in the direction of the arrows.
2. Insert the batteries as indicated by the polarity symbols (+ and -) marked above the battery compartment.

**Note:** For easy removal, place all eight batteries over the ribbon.

3. Replace the cover.


**Note:** If you do not plan to use the system for several days, or if you plan to power the system using AC power only, remove the batteries.





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## USING HEADPHONES

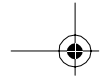
For private listening, plug a pair of optional headphones (not supplied) with a 1/8-inch (3.5-mm) plug into the  jack. Your local RadioShack store has a wide selection of headphones.

### Listening Safely

To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to its lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.



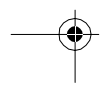
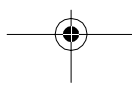
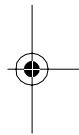
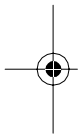


## USING THE RADIO

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1. Set the switch to **RADIO** to turn on the radio.
2. Set **BAND** to **AM** or **FM**.
3. Adjust **TUNING** to the desired station.
4. Set **FM STEREO/MONO** to **FM STEREO** or **MONO**.
  - If you set **FM STEREO/MONO** to **FM STEREO**, the FM STEREO indicator lights.
  - To improve reception for weak FM stations, set **FM STEREO/MONO** to **MONO**. The sound is no longer in stereo, but reception should improve.
5. Adjust **VOLUME** to a comfortable listening level.
6. To boost the bass sound, set **E-BASS OFF/ON** to **ON**.
7. To enhance the stereo effect, set **STEREO WIDE OFF/ON** to **ON**.
8. To turn off the radio, set the switch to **TAPE**.





## USING THE CD PLAYER

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### USING THE REMOTE CONTROL

Several buttons on both the system and the remote control operate the same CD player functions.

To use the remote control, be sure that its front end is pointing with a clear path towards the front of the CD-3329, then press the desired buttons.

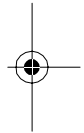
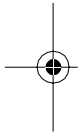
3. Place a CD in the tray with the label facing up.

**Note:** Be sure the CD is securely in place.

### LOADING A CD

1. Set the switch to **CD**.

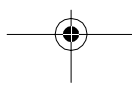
4. Close the compartment door. **CD**, the current tray number and the total number of tracks appear after a few seconds.



2. Press **OPEN** beside the CD 1 or CD 2 compartment door to open either compartment.

**Note:** If no CD is installed, **00** appears again after a few seconds.

To unload the CD after it finishes playing, press **OPEN** and remove the CD.





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## PLAYING A CD

1. Press **PLAY/PAUSE** (or **▶||** on the remote). The current track number and an arrow appear. The CD then plays all the tracks in order.

3. To enhance the stereo effect, set **STEREO WIDE OFF/ON** to **ON**.

4. Adjust **VOLUME** to a comfortable listening level.

Or, press **PLAY/CD1** or **PLAY CD2** (**CD1** or **CD2** on the remote) to play the CD in the other compartment.

5. The CD stops automatically after it plays all the tracks. To stop the CD before the end of the last track, press **STOP** (or **■** on the remote.)

2. To boost the bass, set **E-BASS OFF/ON** to **ON**.





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## SPECIAL FEATURES

### Audible Search

To search forward on the CD, hold down **SKIP ►►** (or ►► on the remote) during play. As you hold down **SKIP ►►**, the CD rapidly advances and you hear the music at a faster speed and lower volume. Release **SKIP ►►** to resume normal play.

During play, press and release **SKIP ►►** (►► on the remote) to skip to the beginning of the next track, or press and release **SKIP ◄◄** (◄◄ on the remote) to skip to the beginning of the current track.

Repeatedly press **SKIP ►►** or **SKIP ◄◄** (►► or ◄◄ on the remote) to skip forward or backward through additional tracks.

### Pause

You can pause a CD during play by pressing **PLAY/PAUSE** (or ►|| on the remote). The arrow disappears and **PAUSE** flashes.

To search backward, hold down **SKIP ◄◄** (or ◄◄ on the remote) during play. Release **SKIP ◄◄** to resume normal play.

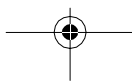
### Automatic Search Music System (ASMS)

You can use the automatic search music system to skip forward or backward through tracks on a CD or in a programmed sequence (see "Programmed Play" on Page 14).

To resume play, press **PLAY/PAUSE** (or ►|| on the remote) again. **PAUSE** disappears and the CD continues to play.

### Cue

To select a track before you begin play or during pause, press **SKIP ►►** or **SKIP ◄◄** (►► or ◄◄ on the remote) until the desired track number appears. Then press **PLAY/PAUSE** (or ►|| on the remote) to play the track.





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## Repeat

You can repeatedly play one track, a programmed sequence (see “Programmed Play” on Page 14), or an entire CD.

To repeat a single track, press **REPEAT** (or **REPEAT PLAY** on the remote) before or during play. **REPEAT** with an arrow pointing to the current track number appears.

To repeat a programmed sequence or an entire CD, press **REPEAT** (or **REPEAT PLAY** on the remote) twice before or during play. **REPEAT ALL** with an arrow pointing to the tray number appears.

To cancel repeat play, repeatedly press **REPEAT** (or **REPEAT PLAY** on the remote) until **REPEAT** or **REPEAT ALL** disappears.

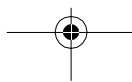
## Continuous Play

You can use continuous play to have a CD in either tray automatically start playing after the CD in the other tray finishes.

When you press **CONTINUOUS PLAY** once, the system plays the current CD first, then plays the other CD (if one is loaded), then stops.

When you press **CONTINUOUS PLAY** again, the non-stop play indicator appears and the system plays one CD then the other continuously.

To cancel continuous play, repeatedly press **CONTINUOUS PLAY** until all continuous play indicators disappear.



## PROGRAMMED PLAY

You can program up to 20 tracks from the loaded CDs to play in any sequence.

1. Hold down **PROGRAM** until **PROGRAM, CD 1** and **CD 2** flash.
2. Press **CD 1** or **CD 2** to select your desired CD. Then press **SKIP ►►|** or **SKIP |◄◄ (►►|** or **|◄◄** on the remote) to find the track you want to program.
3. When you reach the desired track, press **PROGRAM**. **PROGRAM, CD 1** and **CD 2** flash again for you to program the next track.
4. Repeat Steps 2–3 for each track you want to program.

### Notes:

- When 20 tracks are programmed, **PROGRAM, CD 1** and **CD 2** do not flash because you cannot program any more tracks. To change the programmed tracks, you must first cancel the programmed sequence (see “Deleting a Programmed Sequence”), then program a new sequence.

- To check a programmed sequence, press **SKIP ►►|** (or **►►|** on the remote) repeatedly to review the tracks.

5. Press **PLAY/PAUSE** (or **►||** on the remote). The CD player plays the tracks in the order you programmed, then stops.

### Notes:

- Press **PROGRAM** then **PLAY/PAUSE** (or **►||** on the remote) to start playing the sequence again from the beginning.
- You can press **SKIP ►►|** or **SKIP |◄◄ (►►|** or **|◄◄** on the remote) to move through the programmed sequence during play.

## Deleting a Programmed Sequence

To delete the programmed sequence, do any of the following:

- Open the CD compartment door.
- Set the switch to **RADIO** or **TAPE**.
- Press **CONTINUOUS PLAY**.
- Press **CD 1** or **CD 2**.

## CD AND CD PLAYER TIPS

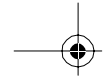
Although a CD is very durable, you should handle it with care. We recommend these precautions.

- Keep the CD in its protective case or sleeve when you are not playing it.
- Keep the CD clean. Your local RadioShack store sells a suitable CD cleaner kit.
- Keep the CD dry. A drop of moisture can act as a lens and affect the laser beam's focus. If it gets wet, wipe the CD with a soft, dry cloth before playing it.
- Do not write on either side of a CD, especially the non-label side.
- Handle the CD by its edge to avoid fingerprints and surface scratches, which can prevent the laser from accurately reading the CD. To clean the surface, use a CD Cleaner Kit (such as Cat. No. 42-226) or Scratch 'n Fix (Cat. No. 42-127).
- Do not store CDs in high-temperature, high-humidity locations.

**Note:** If the CD-3329 is subject to a sudden shock or jolt during play, the CD's rotation speed might suddenly change, and the music might be briefly interrupted or the current track might start over. This is not a malfunction.

### Cautions:

- To avoid damaging the CD player, do not place anything but a CD in the CD compartment.
- Remove any loaded CD from the CD player before moving the CD-3329 to prevent damaging the CD.
- Moving the CD player suddenly from a cold place to a warmer one can cause moisture to form on the pickup lens and disrupt operation. If this happens, unplug it and wait about 2 hours for the moisture to evaporate before playing a CD.



## USING THE CASSETTE RECORDER

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You can play your favorite cassette tapes on either of the CD-3329's cassette decks and make recordings on Tape 1.

**Note:** You cannot operate the tape deck using the remote control.

### LOADING A CASSETTE TAPE

Follow these steps to load a cassette tape in Tape 1 or Tape 2.

1. Take up any slack in the cassette tape by turning the hub with a pencil. If you do not remove excess slack, the tape could become tangled in the record/playback mechanism. Avoid touching the tape.

2. Press **STOP/EJECT** to open the cassette compartment door.

3. Load a tape into the tape guides with the side you want to play facing you, the exposed tape edge down, and the full reel to the left.

4. Close the compartment door.

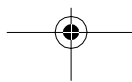
### PLAYING A CASSETTE TAPE

You can play a cassette tape in either Tape 1 (**1 RECORD/PLAYBACK**) or Tape 2 (**PLAYBACK 2**), or you can load cassette tapes in both decks and play them consecutively.

#### Normal Play

Follow these steps to play a cassette tape in Tape 1 or Tape 2.

1. Load a cassette tape in Tape 1 or Tape 2.
2. Set the switch to **TAPE**.







3. Press **PLAY** on the deck you are using to begin playback. The **POWER** indicator lights.

4. Adjust **VOLUME** to a comfortable listening level.

5. To boost the bass, set **E- BASS OFF/ON** to **ON**.

6. To enhance the stereo effect, set **STEREO WIDE OFF/ON** to **ON**.

7. The tape automatically stops when it reaches the end. To stop playing the tape before it reaches the end, press **STOP/EJECT**.

1. Set the switch to **TAPE**.

2. Load a cassette in each deck.

3. Press **PLAY** on Tape 2. The system begins playing the tape in Tape 2.

4. Press **PAUSE**, then **PLAY** on Tape 1.

5. When the tape in Tape 2 reaches the end, **PAUSE** on Tape 1 releases and the system automatically plays the tape in Tape 1.

### Using Fast-Forward and Rewind

While the tape is stopped or playing, press **FAST-F** or **REWIND** to move the tape rapidly forward or backward. Press **STOP/EJECT** to stop the tape.

8. Press **STOP/EJECT** again to open the cassette compartment, then remove the cassette tape.

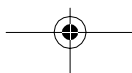
Turn the tape over and press **PLAY** to play the other side.

### Consecutive Play

The CD-3329 can play one side of a tape in Tape 2, then automatically play one side of a tape in Tape 1.

### Using Pause

Press **PAUSE** to temporarily stop play. Press **PAUSE** again to resume play.



## RECORDING

You can record from the CD player, radio, or another tape.

### Notes:

- The CD-3329's Automatic Level Control (ALC) automatically adjusts the recording level. **VOLUME** has no effect on recording.
- Tape quality greatly affects the quality of the recording. We recommend regular length (60- or 90-minute) cassette tapes. We do not recommend long-play cassette tapes such as C-120s because they are thin and can easily tangle. For low-noise, wide-range recordings, use normal-bias tape.
- Before you load a cassette tape for recording, turn the cassette's hub with your finger or a pencil to move the tape past its leader.
- Before recording, be sure the erase-protection tabs are in place on the cassette tape you are using to record. See "Preventing Accidental Erasure" on Page 20.

If you want to skip an unwanted section during recording, you can temporarily stop recording by pressing **PAUSE** on Tape 1 while the unwanted section plays. To resume recording, press **PAUSE** on Tape 1 again.

**Caution:** If you try to record on a cassette tape that has had the erase-protection tabs removed, you cannot press down **RECORD**. Do not force it, as this can damage the mechanism.

## Recording from the CD Player

1. Set the switch to **CD** and load a CD.

### Notes:

- If needed, press **SKIP** |◀◀ or **SKIP** ▶▶| (▶▶| or |◀◀ on the remote) to find the desired track.
- To record a programmed sequence, follow the steps in "Programmed Play" on Page 14 to store the tracks first.

2. Load a cassette in Tape 1.
3. Press **PLAY/PAUSE** on the CD player (or ▶|| on the remote).
4. Press **RECORD** on Tape 1. Both **RECORD** and **PLAY** lock down. The CD starts playing and Tape 1 begins recording from the CD.

**Note:** You can listen to the CD as you record.

5. The tape automatically stops when it reaches the end. To stop the CD player, press **STOP**. To stop recording before the tape reaches the end, press **STOP/EJECT**.



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## Recording from the Radio

1. Load a cassette tape in Tape 1.
2. Set the switch to **RADIO**.
3. Set **BAND** to **AM** or **FM**.
4. Press **RECORD** on Tape 1 to begin recording. Both **RECORD** and **PLAY** lock down.
5. The tape automatically stops when it reaches the end. To stop recording sooner, press **STOP/EJECT** on Tape 1.

**Note:** High-speed dubbing slightly reduces the sound quality of the recording.

4. Press **PAUSE**, then **RECORD** on Tape 1. **RECORD** and **PLAY** both lock down.
5. Press **PLAY** on Tape 2 to begin recording. **PAUSE** on Tape 1 automatically releases.
6. Press **STOP/EJECT** on Tape 1 to stop recording. **RECORD** and **PLAY** release.
7. Press **STOP/EJECT** on Tape 2 to stop playing the tape.

## Dubbing a Cassette Tape

Follow these steps to dub (copy) from a tape in Tape 2 to a tape in Tape 1.

1. Load the tape you want to copy from into Tape 2 with the side you want to copy facing you and the full reel to the left.
2. Load a blank tape, or one you want to record over, in Tape 1 with the side you want to record on facing you and the full reel to the left.
3. To dub the tape at normal speed, set **DUB. NORMAL/HIGH** to **NORMAL**.

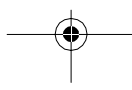
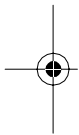
To dub the tape at about twice the normal speed, set **DUB. NORMAL/HIGH** to **HIGH**. You hear a high-pitched sound during recording.

## TAPE TIPS

### Erasing a Cassette Tape

If you no longer want a recording, you can record over it or erase it. To erase the entire cassette tape, set the switch to **TAPE** and let the tape record to the end without a tape in Tape 2.

You can quickly erase both sides of a cassette tape using a bulk tape eraser, available at your local RadioShack store.





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## Preventing Accidental Erasure

Cassette tapes have two erase-protection tabs, one for each side. To protect a recording from being accidentally recorded over or erased, use a screwdriver to remove one or both of the cassette tape's erase-protection tabs.

**Note:** Removing the erase-protection tabs does not prevent a bulk eraser from erasing a cassette tape.

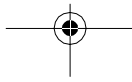
If you want to record on a tape side after you have removed the erase-protection tab, place a piece of strong tape over that side's erase-protection hole. Be sure you cover only the hole originally covered by the erase-protection tab.

## Restoring Tape Tension and Sound Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

**Caution:** Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.



## CARE AND MAINTENANCE

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Your Optimus CD-3329 Portable Triple-Play Compact Disc Player with AM/FM Stereo Dual-Cassette Recorder is an example of superior design and craftsmanship. The following suggestions will help you care for the CD-3329 so you can enjoy it for years.



Keep the CD-3329 dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the CD-3329 only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.



Keep the CD-3329 away from dust and dirt, which can cause premature wear of parts.



Handle the CD-3329 gently and carefully. Dropping it can damage circuit boards and cases and can cause the CD-3329 to work improperly.



Use only fresh batteries of the required size and type. Batteries can leak chemicals that damage your CD-3329's electronic parts.



Wipe the CD-3329 with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the CD-3329.

Modifying or tampering with the CD-3329's internal components can cause a malfunction and might invalidate your CD-3329's warranty and void your FCC authorization to operate it. If your CD-3329 is not performing as it should, take it to your local RadioShack store for assistance.



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## CLEANING THE TAPE-HANDLING PARTS

Dirt, dust, or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the CD-3329. Use the following cleaning procedure after every 20 hours of operation.

1. Remove the batteries and disconnect the power cord.
2. Open the cassette compartment door on each deck.
3. Press **PLAY** on each deck to expose the tape-handling parts.
4. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the tape guides, record or play heads, pinch rollers, capstans, and erase heads.

illus of both  
cassette  
compartments

5. When you finish cleaning, press **STOP/EJECT** on each deck and close the cassette compartment doors.

Your local RadioShack store sells a complete line of cassette deck cleaning supplies.

## THE FCC WANTS YOU TO KNOW

Your product might cause TV or radio interference even when it is operating properly. To determine whether your CD-3329 is causing the interference, turn off your CD-3329. If the interference goes away, your CD-3329 is causing it. Try to eliminate the interference by:

- moving your CD-3329 away from the receiver
- connecting your CD-3329 to an outlet that is on a different electrical circuit from the receiver.
- contacting your local RadioShack store for help.

If you cannot eliminate the interference, the FCC requires that you stop using your CD-3329.

# **SPECIFICATIONS**

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## **RADIO**

Frequency Range ..... AM: 530–1710 kHz  
FM: 88–108 MHz

## **CASSETTE RECORDER**

Tape Speed ..... 1 $\frac{7}{8}$  ips  
Tape System ..... 4 Track Stereo  
Recording System ..... AC Bias  
Erasing System ..... Magnet Erase  
Wow and Flutter ..... 0.35% or less

## **CD PLAYER**

Number of Tracks to be Programmed ..... 20 Tracks  
Frequency Response (–3 dB) ..... 150–15,000 Hz  
Signal-To-Noise (A-WTD) ..... 60 dB  
Sampling Frequency ..... 44.1 kHz  
Oversampling ..... 8 Times  
Harmonic Distortion ..... .5%

## **GENERAL**

Speakers ..... Detachable 5"  $\times$  2  
Speaker Impedance ..... 4 ohms  
Power Requirements ..... DC 12 V (8 D batteries, Cat. No. 23-550) or  
AC 120V, 60 Hz  
Remote Control ..... 2 x 1.5V AAA Alkaline Batteries  
Output Power (10% THD) ..... 5 W/Channel  
Dimensions (HWD) (with 2 speakers) ..... 10  $\times$  23 $\frac{3}{4}$   $\times$  10 Inches  
(254  $\times$  603  $\times$  254 mm)  
Weight (with 2 speakers) ..... 15.4 lbs  
(7 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, Dept. W, 100 Throckmorton St., Suite 600, Fort Worth, TX 76102

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